

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Ballard Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Huerfano Well No. No. 97
Unit F Sec. 16 Twp. 26N Rge. 9W Pay Zone: From 2029 To 2072
Casing: OD 5-1/2" WT. 15.5 Set At 2148 Tubing: OD 1-1/4" WT. 2.4 T. Perf. 2030
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .662 Estimated _____
Date of Flow Test: From 3/9/58 To 3/17/58 * Date S.I.P. Measured 1-8-58
Meter Run Size _____ Orifice Size 1.750 Type Chart _____ Type Taps _____

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____) ² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.45) ² x sp. const. 5 _____ = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 278 psia (h)
P_t = (h) + (f) _____ = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) 573 psig + 12 = 585 psia (j)
Wellhead tubing shut-in pressure (Dwt) 572 psig + 12 = 584 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 585 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 293 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{927} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 927 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{256376}{264941} \right]^n \frac{.9676}{.9724} = \underline{901} \text{ MCF/da.}$

SUMMARY

P_c = 585 psia Company El Paso Natural Gas
Q = 927 Mcf/day By _____ Original Signed _____
P_w = 278 psia Title Lewis D. Galloway
P_d = 293 psia Witnessed by _____
D = 901 Mcf/day Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction Negligible			

D at 250 = 953



OK

[illegible]